THE STANDARDS FORUM

Your publication for news about the DOE Technical Standards Program

March 2003

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Strategic Standards—Getting the Attention of CEOs

Henry Line

Mr. Henry Line is a member of the ANSI Board of Directors. He presented this paper at the recent ANSI Annual Conference Session on Integration of Standards, Business and International Trade. This paper is reprinted with permission from the ISO Bulletin Editor, ISO Bulletin, December 2002.

During the 2002 ANSI Annual Conference, the crucial importance of standards to business performance was once again examined. This time, however, the message was directed specifically at executives who haven't yet recognized that their companies are being disadvantaged by their failure to embrace standards in their corporate strategies.

All corporations consist of a network of interrelated activities, internal and external to the company. These operations include engineering, manufacturing, quality assurance, human resources, the supplier base, accounting, marketing, government relations, among others. This is, of course, patently obvious, and most corporations are investing significant resources in an effort to continuously improve the performance of their operating network. Far less obvious in this context is the fact that standards, in one form or another, play a critical role in the performance of nearly every node in the corporate network, a fact not well appreciated by executive management.

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New DOE Welding Topical Committee Formed

By: M. Norman Schwartz, EH-53

Twenty-four subject matter experts in the field of welding attended a one-day welding workshop [held in conjunction with the 2002 U.S. Department of Energy (DOE) Quality Workshop in Las Vegas, Nevada] on December 4, 2002. This meeting, facilitated and organized by the Office of Nuclear and Facility Safety Policy (EH-53) staff, resulted in the formation of a Welding Topical Committee under the DOE Technical Standards Program (TSP).

A draft charter for the committee was formulated and approved, and a contact for the committee and chairperson will be selected in the near future. The formation of this topical committee will facilitate the development and implementation of policy and technical standards in welding.

At the welding workshop, along with other subjects, the cost of purchasing certified welding filler metals was discussed. It was noted that the additional cost to DOE contractors for obtaining actual chemical and mechanical tests for small quantities of filler is the same as for large quantities since testing is done on a per heat/lot basis. Therefore,

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Strategic Standards . . . (Continued from page 1)

Every company has a **strategic plan**, whether it is formally articulated or not. The success of the company is measured by the extent to which the company achieves or exceeds the plan objectives, assuming the plan itself is appropriately comprehensive. From the perspective of the network model touched upon above, it is reasonable to ask whether overall corporate performance can be optimized when standards, key to the performance of individual corporate activities, are not addressed in the planning process. Corporate performance is measured, in part, by the extent to which revenues are increased and costs reduced, especially those costs that add no value. These two criteria apply in some way to every node in the network. Inasmuch as standards are crucial tools in building revenues and reducing costs, they play a fundamental role in optimizing corporate performance.

If most companies are oblivious to the influence of standards on their operations, where then do such standards come from? The answer is simple: in countless global standards-developing fora, leading companies, indeed, are meeting literally every day to articulate the standards requirements that will be embraced by their industry. Accordingly, for those companies not involved in the process, there is the constant risk that they are abdicating important industry and product decisions to their competitors. Further, to this point, there is a growing body of heuristic evidence suggesting that the leading companies within each industry segment are those most involved with the standards-developing process.

"Inasmuch as standards are crucial tools in building revenues and reducing costs, they play a fundamental role in optimizing corporate performance."

At the 2002 Annual Conference, ANSI convened a panel of standards experts from leading companies across a wide spectrum of industry sectors to discuss the benefits of implementing standards management in their business plans and strategies. Discussions focused on how managing the standards process helps them expand their markets, reduce costs and time to market, and achieve a competitive edge—or, at least, avoid a competitive disadvantage. The panel made it abundantly clear that companies have a choice, and that choosing to not participate means choosing to follow the lead of their competitors, both those domestic and those domiciled abroad.

ANSI has also developed a half-day Education and Training course targeted to corporate management, "Strategic Standardization Management Briefing for Corporate Executives." The challenge, however, is getting the attention of corporate management to help them understand that standards are as much a business, marketing, and customer service issue as a technical one.

DOE Technical Standards Program . . . (Continued from page 1)

in an effort to reduce the cost of certified filler to all DOE sites, a proposal was made to get large lots of filler tested, then offer it in smaller quantities to all DOE sites from a central warehouse maintained by a filler material manufacturer.

TSP staff contacted personnel across the DOE complex and found several supporters of a Welding Topical Committee. William S. Harker, Idaho National Engineering and Environmental Laboratory (INEEL), thinks there is "most certainly a viable need" for a welding topical committee. He stated, "Besides the benefits from sharing technology applications and welding program successes/lessons learned across the [DOE] complex, coordination in solving problems of mutual interest" would save money for U.S. taxpayers.

Mr. Harker cited, as an example, "issues regarding high integrity container materials, design, fabrication, and closure welding for spent nuclear fuel destined for Yucca Mountain." That issue drew a large turnout of welding engineers and welding inspection personnel from all affected DOE locations at a seminar sponsored by the Spent Nuclear Fuels group at Idaho two years ago. Harker thinks the need for cooperation is more important now that there is increased support and focus on a permanent repository.

Harker spoke of the activities of his local INEEL Welding Committee, which has shared technology lessons learned from work at the Naval Reactor Facility and at Argonne West for more than 12 years. Bechtel-Idaho has benefited from input generated on the use of high integrity containers.

Anyone interested in participating in the Welding Topical Committee, please contact M. Norman Schwartz, EH-53 (301-903-2996, **Norm.Schwartz@eh.doe.gov**).

Changes in the Technical Standards Program Office at Oak Ridge

By: Don Williams, ORNL

Many of you are already aware of some recent changes in the TSPO support staff at the Oak Ridge National Laboratory (ORNL). Nonetheless, this edition of *The Standards Forum* provides an opportunity to announce the changes to the Technical Standards Program community.

In September 2002, Amy Bush transferred from ORNL to accept a full-time salaried position with the Y-12 National Security Complex. Amy had provided administrative support and leadership in all areas of the TSPO activity here since 1996. From preparing DOE Technical Standards for coordination/publication to maintaining our program databases to planning annual workshops to answering questions and supplying information to new Technical Standards Managers and interested DOE/contractor personnel, Amy was as close to a full-service, one-person support operation as it comes. The job at Y-12 was a career advancement opportunity for Amy, and all of us associated with the TSPO wish her the very best in this new career path.

Losing Amy's full-time support has been a professional challenge, but it has also served to expand our TSPO family by two members. Joyce Echols and Debbie Queener have joined the TSPO and, along with their other duties, they have worked with Amy in the transition of program support functions. Joyce has 20 years of secretarial and administrative experience in the Oak Ridge complex. She transferred to ORNL in 1995. Joyce is assisting in the preparation of DOE Technical Standards for coordination/publication and the maintenance of program files (a nontrivial job since we have had to relocate the office in both 2001 and 2002 and will move again this summer to a "permanent" home on the ORNL campus). Debbie has worked for ORNL for 30 years. She has extensive experience in supporting the information access, retrieval and management needs for a number of ORNL projects for the U.S. Nuclear Regulatory Commission and the Department of Energy. Debbie's main TSPO support activities include announcements of standards development activities (new projects, projects in coordination and new approved DOE Technical Standards), maintenance of program databases and preparation of the program newsletters (*Standards Actions* and *The Standards Forum*).

Like any change in TSPO staff assignments here, our job is to make the change transparent to our customers and stakeholders. Having knowledgeable and resourceful staff like Joyce and Debbie to take over the work makes the transition feel like a seamless operation. Please join me in welcoming Joyce and Debbie to our program community. As always, please call or e-mail me (Don Williams, 865-574-8710, **williamsdljr@ornl.gov**) if there are program technical or information management support needs that can either make your job easier or promote strategic standardization within the Department of Energy.

Topical Committee Developments

Nuclear Safety Topical Committees

To enhance coordination among the Department of Energy's (DOE) nuclear safety experts, the Technical Standards Program (TSP) continues to look for groups of nuclear safety subject matter experts (SMEs) to form topical committees that are counterparts to American Nuclear Society subcommittees. Are you a member of a working group or technical group especially dealing with aspects of nuclear safety that you would like to have recognized across the DOE complex? Would you like the opportunity to share ideas with like-minded scientists and engineers in the Department in a time of scarce resources and be more involved in standards work? If you are part of a group of SMEs that would like to affiliate with the TSP as a topical committee, contact M. Norman Schwartz (301-903-2996, **Norm.Schwartz@eh.doe.gov**) or Richard Serbu (301-903-2856, **Richard.Serbu@eh.doe.gov**).

ASTM International Forms Subcommittee to Aid Homeland Security

ASTM International is looking for security-industry architects, manufacturers, product designers, testers, government representatives, and other security professionals to develop homeland security standards.

The Infrastructure Security Partnership (TISP) was created as a result to the national response received after President Bush established the U.S. Office of Homeland Security. TISP was formed by 11 government and industry organizations including the Federal Emergency Management Agency, the National Institute for Standards and Technology, and the Naval Facilities Engineering Command. Currently, 83 organizations, including the U.S. Department of Energy, are members of TISP.

"ASTM International strongly supports the mission of the U.S. Office of Homeland Security and activities of TISP and recently joined this consortium," says Dale Kostner, chairman of the newly formed ASTM subcommittee for Homeland Security. By using ASTM principles, procedures, and practices developed by ASTM committee F33*, Detention and Correctional Facilities*, the Homeland Security subcommittee will develop quantifiable security-performance criteria for U.S.-civilian security equipment and systems.

The objective of the ASTM subcommittee on Homeland Security is to bring quality and uniformity to the defense strategy of TISP's nongovernmental organizations. "Instead of creating a whole new bureaucracy, they are going to work with what already exists," says Joe Hugo, manager, ASTM Technical Committee Operations.

If you would like to participate, contact James Stapleton, Jr., Habersham Metal Products, 706-778-2212, or Dale Kostner, Jacobs Facilities Inc., 314-335-4976. For ASTM International membership information, contact Joe Hugo, ASTM International, 610-832-9740.

Annual Meeting for DOE Metrology and Accreditation Committees

The combined annual U.S. Department of Energy (DOE) Metrology and Accreditation Committees and DOE Standards Laboratory Managers meeting will be held March 11–13, 2003, at the Courtyard Marriott in Cocoa Beach, Florida.

Meeting topics include general metrology/accreditation issues and DOE/National Nuclear Security Administration Nuclear Weapons Complex issues. Also to be discussed at the meeting will be reports from each laboratory, summary of 2002 action items, recall/data management systems, and lessons learned. Some of the presentations for the meeting include:

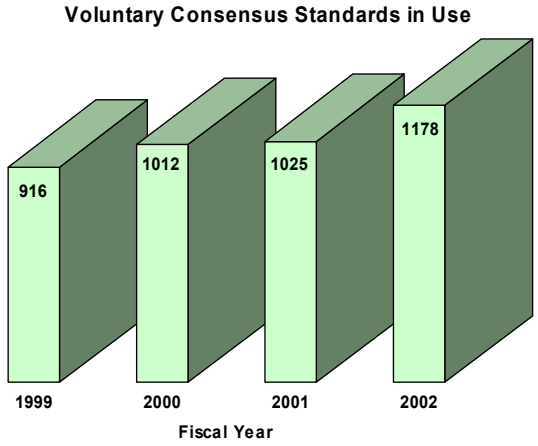
- National Measurement Services Strategy
- Experiences with Using Accredited Calibration Laboratories
- Approach to 4:1 Guardbanding
- Uncertainty Analysis for Multifunction Calibrators
- Uncertainty Analysis to Replace 4:1 Tolerance Testing
- Good Measurement Practices
- Standards for the Department of Homeland Security Technical Operations
- National Aeronautics and Space Administration presentations on Status of Calibration Program and International Space Station

For more information, contact Richard Pettit, Sandia National Laboratories, 505-844-6242, **rbpetti@sandia.gov**.

Tracking VCS Use and SDO Participation for DOE

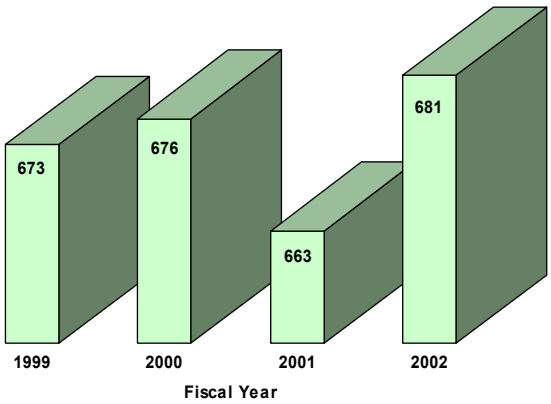
It's important and useful for DOE to track DOE use of voluntary consensus standards (VCSs) and participation with Standards Development Organizations (SDOs). Knowing what VCSs and what versions are used helps us maintain our safety basis and helps us keep our technology current. It helps us determine where we need to participate with SDOs, how to invest our resources, and where we can share and combine resources. We can see where we can use existing VCSs, in lieu of internally developing our own standards (at a significant cost). Individuals participating with SDOs for different organizations can identify their counterparts across DOE, coordinate and cooperate in technical and standards development activities, and share lessons learned and experience. It is also required that DOE report such information.

Under the provisions of Public Law 104-113 (the National Technology Transfer and Advancement Act of 1995) and related OMB Circular No. A-119 (Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities), the Secretary of Energy is required to report the use of VCSs by DOE and participation with SDOs on behalf of DOE. The report is prepared annually and sent to the National Institute of Standards and Technology (NIST) by the DOE Standards Executive (who is appointed by the Assistant Secretary for Environment, Safety and Health, as delegated by the Secretary of Energy). NIST compiles the reports from all participating Federal agencies, and submits it to OMB for final review and approval.



Essentially, PL 104-113 and OMB A-119 require Federal agencies to use VCSs to the maximum extent practical and to work with SDOs to develop needed VCSs. The OMB Report informs Congress of how Federal agencies are using VCSs in lieu of developing their own similar standards, and how effectively Federal agencies are participating with SDOs. DOE policy and requirements, and DOE O 252.1 in particular, establish the DOE Technical Standards Program (TSP) as the means to meet these reporting requirements, as well as the DOE-wide means for DOE to manage its internal standards-related activities, such as standards development and maintenance. (As an aside, the TSP is also pursuing some interesting initiatives, such as a DOE-wide commercial standards service, and a REVCOM adapted for TSP applications.) You can visit the TSP Web site at URL **http://tis.eh.doe.gov/techstds**.

For FY 2002, DOE reported 681 participants with 57 SDOs on 1268 SDO activities (e.g., committees, working groups). We also reported the DOE "use" of 1178 different VCSs in our regulations, directives, guides and standards.



Because I want to focus on how we go about tracking your participation, I'll describe that process. Each year, the TSP issues a memo requesting our DOE/TSP Technical Standards Managers (TSMs) for each major DOE HQ, Field, and contractor organization to compile and forward to the TSP Office (TSPO) information on VCS use and participation with SDOs in their organizations.

The TSMs and the TSPO staff search regulations, directives, safety documents [such as Work Smart Standards (WSS), Standards/ Requirements Identification Document (S/RIDs), and Safety Analysis Reports (SARs)], and contractual obligations for the new or continued use of VCSs.

The TSMs also request information on participation with SDOs *on behalf of DOE* (personal or company participation doesn't count). This is done using an OMB-approved form (DOE F 1300.2), which is "online" on the TSP Home Page. (While the forms are available electronically, we do not yet have the

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Topical Committee . . . (Continued from page 5)

capability to complete and forward them online, but we soon will.) TSMs conduct their contacts and evaluate participation using several different means, including: (1) reviewing previous year's compilation and looking for retirements, transfers, downsizing, etc.; (2) using LAN or WAN messages to request input; (3) e-mailing managers and previous participants; (4) querying subject matter expert lists; and (5) forwarding the TSPO memo. Some TSMs maintain lists (or databases) of participants from year to year and simply update them each year. Others consult the Technical Standards Lists, which documents standards use and participation for all of DOE. After many years of such effort, the overall DOE lists are surprisingly stable, with minor additions and deletions each year.

The collected data on VCS use and SDO participation is compiled by the TSPO and loaded into the Technical Standards Information System (TSIS), a searchable database. The data is analyzed, and information essential to the OMB Report is updated and extracted. We also use the TSIS data to support technical analyses, SDO activities, and DOE topical committee activities, which in turn support our missions and functions. I hope this general outline of why we track VCS use and participation with SDOs inspires you to promptly report your activities the next time you see such a request! By policy, DOE and the TSP openly encourages participation with SDOs and the use of VCSs in lieu of internally developed standards in support of our missions and functions. Let us know what you're doing!

— Rick Serbu

New *Forum* Feature!

Editor's Note: Beginning with this issue of *The Standards Forum*, we will highlight selected Web sites/home pages of interest to the Department of Energy and the Technical Standards community. If you have a favorite site you would like for us to consider, please contact the *Forum* staff at **queenerds@ornl.gov**.

Featured Web Site— ASME International's *The NCS Communicator*

Need information about nuclear codes and standards? The American Society of Mechanical Engineers (ASME) International has a Web site that can help you.

The NCS Communicator (**http://www.asme.org/cns/ncsnews/**) is an online publication from the ASME Board on Nuclear Codes and Standards that contains feature articles, nuclear staff contacts, future meetings, and other nuclear standards-related information.

Check it out; you might find it worthy of a bookmark in your Web browser's library!

Welcome Aboard the TSMC!

The Technical Standards Managers (TSMs) are the backbone of the DOE Technical Standards Program!

These knowledgeable individuals serve as their organization's standards point of contact and contribute to the coordination of Department-wide TSP activities. A great deal of their work time is spent in assuring that standards activities take place in a manner that will promote safe, economical, and efficient operations locally and across the DOE complex.

With nearly 90 active and mobile people involved in TSM activities, it can be a daunting task just to keep up with the retirements and reassignments affecting the TSM roster. This "Welcome Aboard" feature is designed to introduce you to the new TSMs and help you keep abreast of the rapidly changing make-up of the Technical Standards Managers' Committee (TSMC).

Larry Chapman (replaces Walter Scott)
U.S. Department of Energy
Office of River Protection (ORP)
P.O. Box 450
Richland, WA 99352
Phone: 509-373-2107
Fax: 509-376-8532
E-mail: **Larry_A_Chapman@rl.gov**

Bud Danielson (replaces John Yoder)
U.S. Department of Energy
Office of Nuclear and Facility Safety (EH-53)
EH-53/Germantown Building
1000 Independence Ave., S.W.
Washington, DC 20585-1290
Phone: 301-903-2954
Fax: 301-903-6172
E-mail: **Bud.Danielson@eh.doe.gov**

Thomas Monahon (replaces Andrew Vincent)
Westinghouse Savannah River Co. (WSRC)
WSRC, 730-B, Rm 326
Aiken, SC 29801
Phone: 803-952-7182
Fax: 803-952-8369
E-mail: **Thomas.Monahon@srs.gov**

THE STANDARDS FORUM

Editor-In-Chief: Don Williams
Compiling Editor: Debbie Queener
(e-mail addresses are given below)

Distribution: *The Standards Forum* is an electronic newsletter available from the TSP Web Site (**http://tis.eh.doe.gov/techstds/**). To update your mailing and e-mail addresses, please contact Debbie Queener, ORNL, (865) 574-0398, Fax (865) 574-8481, **queenerds@ornl.gov .**

Comments: If you have any questions or comments please contact Rick Serbu, EH-53, (301) 903-2856, **Richard.Serbu@eh.doe.gov**. If you have any questions or comments on DOE Technical Standards projects, please call Don Williams, ORNL, (865) 574-8710, **williamsdljr@ornl.gov.**

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The World of Standards—

NEWS BRIEFS

IEEE Issues Hazardous Material Standard

Where is the first place incident commanders turn when they lack vital information about the materials involved in transportation emergencies? Typically, online databases provide the needed information. To help outline the framework for these communications, the Institute of Electrical and Electronics Engineers (IEEE) has issued a new standard, IEEE 1512.3, *Standard for Hazardous Material Incident Management Message Sets for Use by Emergency Management Centers*.

Data on hazardous and nonhazardous substances from databases maintained by shippers, carriers, fleet and freight management centers, and other parties are covered in the standard. The topics covered include toxicity, explosive danger, flammability, environmental damage, set-backs, and evacuation areas. In order to eliminate confusion on how the data from emergency sites are interpreted, IEEE 1512.3 also sets a uniform format for transmissions from emergency sites to government agencies and other parties.

"Data flowing to and from the emergency site must be easily understood," says Ann Lorscheider, IEEE 1512.3 Working Group Chair and Intelligent Transportation Systems Program Engineer, North Carolina Department of Transportation. "Responders on the scene need details on the cargos and contents of all vehicles and buildings involved. Unfortunately, a gap often exists between what is known at the scene about the materials present and what an incident commander must know to manage an incident effectively. This gap can be bridged by using off-site resources to learn about these materials and how to deal with them.

"Going the other way, information sent to experts by those at the site must be interpreted correctly if they are to help responders cope with the emergency. The need for clear two-way communications in transportation emergencies led the IEEE Standards Association to develop the 1512.3 standard to help ensure that essential information can be gotten rapidly, easily and in a comprehensible form."

This new standard considers the exchange of information using messages, data frames and data elements in message sets consistent with the National Intelligent Transportation Systems Architecture.

For more information on this standard, contact Ann Lorscheider, 919-733-5506, **alorscheider@dot.state.nc.us**.

Joint Auditing Standard Draft Available From Quality Press

The proposed American adoption of ISO/ASQ QE19011-2002, *Guidelines for Quality and/or Environmental Management Systems Auditing*, is currently available in draft form through the American Society for Quality's (ASQ) Quality Press. This standard, referred to as ISO 19011, replaces the six ISO 10011 series standards previously published.

ISO 19011 is the first standard for unifying the ISO 9000 and ISO 14000 auditing standards. Guidance on conducting internal and external quality or environmental management system audits is provided in the standard. The standard also includes guidelines related to auditor qualifications, requirements, and evaluation systems.

To order, contact ASQ at 800-248-1946 or 414-272-8575, or visit the Quality Press bookstore at **http://qualitypress.asq.org.** This standard is also available in electronic format at **http://e-standards.asq.org**.

New Law Allows NIST to Investigate Building Failures

The National Institute of Standards and Technology (NIST) now has the authority to investigate U.S. building failures, thanks to an October 1, 2002, law signed by President Bush. The law specifically applies to the NIST investigations on the World Trade Center.

The National Construction Safety Team Act makes NIST responsible to dispatch teams of experts within 48 hours, where appropriate and practical, after major building disasters. The act is modeled after criteria used by the National Transportation Safety Board when investigating transportation accidents.

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NIST has clear mandate to:

- establish the likely technical cause of building failures,
- evaluate evacuation and emergency response procedures,
- **recommend specific changes to building codes, standards and practices** (emphasis added),
- recommend any research or other appropriate actions needed to improve the structural safety of buildings, and/or changes in emergency response and evacuation procedures, and
- make final recommendations within 90 days of completing an investigation.

The final plan for the NIST investigation may be found at **http://wtc.nist.gov/**.

NFPA Publishes Handbook for 2003

The 2003 edition of the National Fire Protection Association's (NFPA) Fire Protection Handbook is now available. This two-volume edition of the handbook includes information on major advances in fire alarm systems, life safety, rescue training, fire risk analysis, and water mist suppression.

The handbook has 20 new chapters with information from water-based suppression to fundamentals of safe building design. For more information, visit **http://www.nfpa.org/Home/index.asp**.

IEEE Launches StandardsAmericas™ Web Site

The Institute of Electrical and Electronics Engineers Standards Association (IEEE-SA) has launched a new Web site (**http://www.standardsamericas.net/**) dedicated to provide access to technical standards created by IEEE and other standards developing organizations (SDOs). This Web site is available throughout the North, Central, and South Americas.

StandardsAmericas™ is a multidimensional resource that covers telecommunications, information technology, and power and energy detailing the standards world. The site is also a resource for IEEE-SA volunteers and members who create standards.

President of the IEEE Standards Association, Ben Johnson, says the site was created to aid the users and creators of technical standards. "StandardsAmericas™ illustrates the interrelatedness of the standards world," Johnson says. "It brings together all parties involved, from those who help formulate standards to the organizations that offer them to the companies that use them. The site also reinforces the many benefits standards offer, such as the return on investment companies realize when they help develop them. In addition, its StandardsShop™ area makes it easy to purchase technical standards, specifications and guides from the IEEE and other SDOs."

Some of the information covered on the Web site includes:

- New IEEE standards efforts,
- Links to Web sites containing finance and economic news relevant to standards,
- Links to IEEE "Standards Zones" that detail standards in specific technologies, such as power generation, and
- Details on the IEEE-SA and its standards process.

For more information on the IEEE-SA, visit **http://www.standards.ieee.org/**.

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American Assumes Presidency of ISO

Oliver Smoot became the president of the International Organization for Standardization (ISO), a worldwide federation of national standards bodies with representatives from 145 countries, on January 1, 2003. He is the second American to hold this position within the past decade; he succeeds Mario Cortopassi of Brazil. One key issue Smoot sees facing the ISO is the need to get developing countries more actively involved in the technical work of ISO. "There are a lot of technical areas where the interest is probably higher in developing countries than in developed countries, and they don't have the capacity to take them all on," Smoot stated. "We would like to increase the range of different economies and the number of ISO members participating in technical work, to make sure that the ISO standards are actually global standards."

Smoot served as chairman of the American National Standards Institute (ANSI) Board of Directors from January 2001 through December 2002; he has served in numerous leadership posts within the organization. Currently, he is a member of the American Bar Association and serves as chairman of its Technical Standardization Law Committee. Smoot is also active in international copyright law and has participated in five projects of the World Intellectual Property Organization. He also held numerous positions with the Computer Law Association, culminating as President, and currently serves on the Executive Committee of the U.S. Policy Committee of the Association for Computing Machinery.

Smoot's term ends December 31, 2004.

For more information about ANSI, please visit **http://www.ansi.org**. For more information about ISO, please visit **http://www.iso.org**.

Editor's note: Smoot was a speaker at the 1998 Technical Standards Program Workshop in Washington, D.C.

ANSI Online: Snapshots of Voluntary Standards

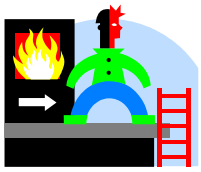
ANSI Online is now publishing snapshots of standards that communicate the role that standards play in daily life. The purpose of the snapshots is to show the diverse standards initiatives undertaken in the global and national standards arena, many of which are performed by ANSI members and ANSI-accredited standards developing organizations (SDOs).

ANSI Online obtains the information from the steady stream of press information released by standards developing organizations. As ANSI receives news of published voluntary standards and voluntary standards initiatives with broad appeal and impact, similar articles will be posted to the ANSI Online News page.

SDOs are asked to forward updates to the Communications and Public Relations Department at 212-398-0023 or pr@ansi.org.

For more information, visit **http://www.ansi.org/news_publications/latest_headlines.aspx?menuid=7**.

OSHA Rules NFPA 101®, *Life Safety Code*® Meets Egress Standards



In December 2002, the U.S. Occupational Safety and Health Administration (OSHA) revised its standards for means of egress, concluding that the National Fire Protection Association's (NFPA) 2000 edition of the *Life Safety Code*® provides comparable safety to OSHA's Exit Routes Standard. This rule permits employers to comply with NFPA 101-2000 in order to meet means of egress standards.

The *Life Safety Code* defines the necessary minimum building design, construction, operation, and maintenance requirements needed to protect building occupants from dangers caused by fire, smoke, and toxic fumes. NFPA 101 also provides escape requirements for buildings.

The standard is a key element of the *Comprehensive Consensus Codes*™ (C3) set, which offers state and local governments the first opportunity to select a full set of codes developed through ANSI-accredited processes. The set is being

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developed by several organizations including NFPA, the International Association of Plumbing and Mechanical Officials (IAPMO), Western Fire Chiefs Association, and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). Free training and associated codebooks are available to states that adopt key elements of the C3 set.

NFPA has been a worldwide leader in providing fire, electrical, building, and life safety to the public since 1896. For more information visit **http://www.nfpa.org/**.

And the Winner Is . . .

The Standards Engineering Society (SES) has posted the three winning papers from the 2002 World Standards Day competition to its Web site.

The theme of the competition was "Standards Mean Business." Competitors had to illustrate issues, concerns, and applications of standards or conformity assessment programs pertaining to business nationally, regionally, or globally.

The winners were Laura E. Hitchcock, senior standards specialist at the Boeing Company, *Standards During Times of Change: Aerospace Strategies for Keeping Standards and Business Linked*; Robert C. Thompson of New York State, Building Codes Division, *New York State: Building a Case for Standards*; and Andrew Bank, vice president of business development at TechStreet, *The Standards Distribution Market: Serving Customers Between "All" and "Nothing."*

Winners were presented their awards during the annual World Standards Day ceremonies on October 16, 2002, in Washington, D.C.

Visit **http://www.ses-standards.org/library.html** to read the winning papers.

ASME International Issues Performance Test Code for Fuel Cells

ASME International (American Society of Mechanical Engineers) has issued a new test code for fuel cell systems, *ASME PTC 50—Performance Test Code on Fuel Cell Power Systems Performance.* The code contains methods and procedures for conducting tests and reporting fuel cell system performance characteristics and discusses instrumentation commonly used for testing. Testing techniques and methodologies for calculating and reporting results are also discussed.

In recent years, fuel cells have surfaced as a viable energy option, and today are found in distributed generation applications, providing dedicated electrical energy to various facilities, including hospitals and restaurants.

Fuel cells convert the energy of a fuel directly into electricity, using an electrochemical energy conversion process rather than combustion. *PTC 50* provides consistent guidance for evaluation of fuel cell power systems to determine power output and efficiency.

ASME PTC 50 is approved as an American National Standard by the American National Standards Institute. For more information on this code, visit **http://www.asme.org/**.

NACLA Appoints New President

The National Cooperation for Laboratory Accreditation (NACLA), a private-sector, not-for-profit organization operated by volunteers, appointed Dr. Louis T. Dixon as its president on January 1, 2003, succeeding Roxanne Robinson.

Dixon is president of LTD Consulting, a resource for environmental materials management and conformity assessment standards and processes, and has 27 years experience in these disciplines. Formerly, he was the manager of Global Materials and Fasteners Standards at Ford Motor Company.

Dixon's two main objectives of his administration are improving customer service and creating more efficient processes. He has outlined several tasks for NACLA to achieve these goals. Some of these tasks include publishing a document to

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News Briefs (Continued from page 11)

help customers better understand the NACLA system and holding an expanded annual general meeting after NACLA's Laboratory Accreditation Forum (visit **http://www.nacla.net/Meetings/2003_Forum.pdf** for more information).

To find out more about NACLA, visit **http://www.nacla.net**.

Big STEP to Cost Savings Could be Realized by Industry

According to a recent study by the National Institute of Standards and Technology (NIST), U.S. industries could save over $900 million each year by using the Standard for Exchange of Product (STEP) model data. The STEP system provides the means to exchange product data between proprietary computer systems. Some portions of STEP, first released in 1994 and formally known as ISO 10303, are already in use with international standards, and other parts are being developed.

The NIST study projects that the automotive industry, which has led the way in STEP development, could reap nearly half of the estimated $928 million savings annually. The remaining industries affected would be aerospace, shipbuilding, and the tool and die industries.

To receive a copy of the complete NIST study, contact Denise Herbert, **denise.herbert@nist.gov**. The report may also be viewed at **http://www.nist.gov/director/prog-ofc/report02-5.pdf**.

The ICC Becomes One

On February 1, 2003, the International Code Council (ICC) marked the beginning of being one unified organization composed of the Building Officials and Code Administrators International (BOCA), International Conference of Building Officials (ICBO), and Southern Building Code Congress International (SBCCI). The services, products, and staff operations of BOCA, ICBO, and SBCCI will be consolidated over the next few months.

"The new ICC will continue to be dedicated to public safety," said ICC chief executive officer, Bob D. Heinrich. "The ICC will represent and support those rarely recognized champions who make sure the buildings we and our loved ones live in, go to school in, and work in are constructed safely."

The ICC was developed by BOCA, ICBO, and SBCCI in 1994 to develop a single set of comprehensive construction codes, ICC *International Codes* (I-Codes), that could be used worldwide without regional boundaries or limitations. The codes previously used by BOCA, ICBO, and SBCCI were for specific regions of the country.

The I-Codes provide a single set of codes by combining the strengths of the each organization's regional codes while eliminating the regional limitations. Two new codes, *International Existing Building Code* and *International Urban-Wildland Interface Code,* will be published this year.

These organizations have more than 190 years of combined building and fire safety code development. For more information, visit **http://www.intlcode.org/**.

Upcoming Meetings and Conferences of Interest

March 11–13

Annual DOE Metrology/Accreditation Committee & DOE Standards Laboratory Managers Meeting

Courtyard Marriott–Cocoa Beach, Florida

Sponsored by the Department of Energy

Contact Richard Pettit, **rbpetti@sandia.gov**, for more information.

March 17–18

NACLA 2003 Accreditation Forum

Sheraton Columbia Hotel–Columbia, Maryland

Sponsored by the National Cooperation for Laboratory Accreditation (NACLA)

Visit **http://www.nacla.net** for registration or more information.

April 8–10

AWS Welding Show 2003

COBO Center One Washington Blvd.–Detroit, Michigan

Theme: "Celebrating 50 Years of Service"

Sponsored by the American Welding Society (AWS)

Visit **https://s11.a2zinc.net/aws/aws03/attendee/mainhall.asp** for more information.

April 9–10

NCRP 2003 Annual Meeting on Radiation Protection at the Beginning of the 21st Century – A Look Forward

Crystal City Marriott–Arlington, Virginia

Sponsored by the National Council on Radiation Protection and Measurements (NCRP)

Visit **http://www.ncrp.com/dates/** for more information.

April 21–23

The 1st International Conference on Fuel Cell Science, Engineering and Technology

R.I.T. Inn & Conference Center–Rochester, New York

Sponsored by ASME International

Visit **http://www.asme.org/fuelcell/** for more information.

May 5–8

The 2003 Annual EMI (Emergency Management Issues) SIG (Special Interest Group) Meeting

Hampton Inn–Las Vegas, Nevada

Co-sponsored by the DOE Office of Emergency Management and the Office of Transportation

Contact Dorothy Cohen, **cohend@orau.gov**, for more information.

May 19–21

The 57th Annual Quality Congress and Exposition

Union Station Complex–Kansas City, Missouri

Sponsored by the American Society for Quality (ASQ)

Visit **http://aqc.asq.org/** for more information.

June 1–5

American Nuclear Society 2003 Annual Meeting

Town and Country Convention Center–San Diego, California

Embedded topical meeting: Decommissioning and Spent-Fuel Management

Embedded topical meeting: Risk Management–Now More Than Ever

Sponsored by the American Nuclear Society (ANS)

Visit **http://www.ans.org/meetings/text.cgi?category=0** for more information.

June 15–19

ASTM Committee E10 Nuclear Technology and Applications

Adam's Mark Hotel–Denver, Colorado

Sponsored by Committee E10 of ASTM International

Contact Jeff Adkins, **jadkins@astm.org**, or visit **http://www.astm.org** for more information.

June 18–20

ASTM Committee C26 Nuclear Fuel Cycle Meeting

Adam's Mark Hotel–Denver, Colorado

Sponsored by Committee C26 of ASTM International

Contact Jeff Adkins, **jadkins@astm.org**, or visit **http://www.astm.org** for more information.

Standards Actions March 2003

Visit the Technical Standards Program Web Site at

http://tis.eh.doe.gov/techstds/

STANDARDS ACTIONS

DOE Technical Standards Program Document Status

02-28-2003

Activity Summary

In Conversion – 4

In Preparation – 50

Out for Comment – 27

Published this Month – 1

5-year Review Status

Revision in Progress – 11

Reaffirmation in Progress – 8

Cancellation Pending – 19

Cancellation in Progress – 5

No Current Action – 0

Inside this issue:

DOE Technical Standards Proposed for Reaffirmation

The following documents are currently being reevaluated under the 5-year "Periodic Document Review" (Sunset Review) provision of the Technical Standards Program Procedures (TSPPs). The Preparing Activity (Office of Worker Protection Policy and Programs, EH-52) recommends that they be reaffirmed.

- DOE-STD-1100-96, *Chemical Process Hazards Analysis.* Contact Bill McArthur, **Bill.Mcarthur@eh.doe.gov**.
- DOE-STD-1101-96, *Process Safety Management for Highly Hazardous Chemicals.* Contact Bill McArthur, **Bill.Mcarthur@eh.doe.gov**
- DOE-STD-1107-97, *Knowledge, Skills and Abilities for Key Radiation Protection Positions at DOE Facilities*. Contact Murari Sharma, **Murari.Sharma@hq.doe.gov**.
- DOE-STD-1121-98, *Internal Dosimetry*. Contact Joel Rabovsky, **Joel.Rabovsky@hq.doe.gov**.
- DOE-STD-1128-98, *Guide of Good Practices for Occupational Radiological Protection in Plutonium Facilities*. Contact Peter O'Connell, **Peter.O'Connell@eh.doe.gov**.

A review period ending April 11, 2003, has been set to provide the opportunity for interested persons to comment on these reaffirmation proposals. All comments and questions should be routed through your site Technical Standards Manager, who will relay your responses to the contact. If you have any questions or comments about these standards, please contact the author/contact listed.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will request specific reviewers to comment on these drafts. The full text of the documents is available on the TSP Web site. If you wish to comment on this document, please notify your TSM.

- *Emergency Management Functional Area Qualification Standard*, Project Number TRNG-0036, M. Norman Schwartz, EH-53; phone 301-903-2996; fax 301-903-6172; e-mail **Norm.Schwartz@eh.doe.gov**.
- *Electrical Systems Functional Area Qualification Standard*, Project Number TRNG-0037, M. Norman Schwartz, EH-53; phone 301-903-2996; fax 301-903-6172; e-mail **Norm.Schwartz@eh.doe.gov**.

DOE Technical Standards Recently Published

The following DOE Technical Standard was recently published and posted on the TSP Web site:

- DOE-STD-1156-2002, *Environmental Compliance Functional Area Qualification Standard*, October 2002.

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DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 800-473-4375, Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action.* Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at **http://web.ansi.org/rooms/room_14/**. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or **sbose@ansi.org**.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, CO 80112, 800-854-7179, Fax 303-397-2740, **global@ihs.com**, **http://global.ihs.com**. Electronic delivery of selected documents is available through ANSI at **http://webstore.ansi.org**. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, **http://www.ansi.org**, or through the National Standards System Network, **http://www.nssn.org**.

The following American National Standards are currently in coordination (comment due dates follow each entry)**:**

- ASHRAE 34f-200x, *Designation and Safety Classification of Refrigerants* (supplement to ANSI/ASHRAE 34-1992) – March 23, 2003.
- ASHRAE 62y-200x, *Ventilation for Acceptable Indoor Air Quality* (supplement to ANSI/ASHRAE 62-2001) – March 23, 2003.
- ASME B73.3M-200x, *Specification for Sealless Horizontal End Suction Metallic Centrifugal Pumps for Chemical Process* (revision of ANSI/ASME B73.3M-1997) – March 31, 2003.
- AWS A5.1/A5.1M-200x, *Specification for Carbon Steel Electrodes for Shielded Metal Arc Welding* (revision and redesignation of ANSI/AWS A5.1-1991 (R1999)) – April 15, 2003.
- IEEE 516-200x, *Guide for Maintenance Methods on Energized Power Lines* (revision of ANSI/IEEE 516-1995) – April 15, 2003.
- SCTE 78-200x, *Test Method for Transfer Impedance* (new standard) – March 24, 2003.
- UL 50-200x, *Standard for Safety for Enclosures for Electrical Equipment* (revision of ANSI/UL 50-1995) – March 31, 2003.
- UL 96-200x, *Standard for Safety for Lightning Protection Components* (revision of ANSI/UL 96-1998) – March 17, 2003.
- UL 489-200x, *Standard for Safety for Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures* (revision of ANSI/UL 489-1994) – March 9, 2003.
- UL 508-200x, *Standard for Safety for Industrial Control Equipment* (revision of ANSI/UL 508-2002) – April 7, 2003.
- UL 781-200x, *Portable Electric Lighting Units for Use in Hazardous (Classified) Locations* (new standard) – April 7, 2003.
- Z358.1-200x, *Emergency Eyewash and Shower Equipment* (revision of ANSI Z358.1-1998) – April 1, 2003.

The following American National Standards have been approved for publication. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900. (Publication is to take place within six months following the date shown):

- ANSI/API 612 (5th edition)—2003, *Petroleum, Petrochemical and Natural Gas Industries – Steam Turbines – Special-Purpose Applications* (identical national adoption) – February 10, 2003.

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- ANSI/AWS D1.2/D1.2M-2003, *Structural Welding Code – Aluminum* (revision of ANSI/AWS D1.2-1997) – February 6, 2003.
- ANSI/IEEE 325-1996 (R2002), *Test Procedures for Germanium Gamma-Ray Detectors* (reaffirmation of ANSI/IEEE 325-1996) – January 22, 2003.
- ANSI/IEEE 484-2002, *Recommended Practice for Installation Design and Installation of Vented Lead-Acid Batteries for Stationary Applications* (revision of ANSI/IEEE 484-1996) – January 22, 2003.
- ANSI/IEEE 730-2002, *Software Quality Assurance Plans* (new standard) – January 27, 2003.
- ANSI/IEEE 1062-1994 (R2002), *Recommended Practice for Software Acquisition* (reaffirmation of ANSI/IEEE 1062-1994) – January 21, 2003.
- ANSI/IEEE 1233-1996 (R2002), *Guide for Developing System Requirements Specifications* (reaffirmation of ANSI/IEEE 1233-1996) – January 22, 2003.
- ANSI/IEEE 1325-1996 (R2002*), Recommended Practice for Reporting Field Failure Data for Power Circuit Breakers* (reaffirmation of ANSI/IEEE 1325-1996) – January 22, 2003.
- ANSI/IEEE 1512.3-2002, *Hazardous Material Incident Management Message Sets for Use By Emergency Management Centers* (new standard) – January 21, 2003.
- ANSI/IEEE 2001-2002, *Recommended Practice for the Internet – Web Site Engineering, Web Site Management, and Web Site Life Cycle* (revision of ANSI/IEEE 2001-1999) – January 21, 2003.
- ANSI/IEEE C37.10-1996 (R2002), *Guide for Diagnostics and Failure Investigation of Power Circuit Breakers* (reaffirmation of ANSI/IEEE C37.10-1996) – January 22, 2003.
- ANSI/IEEE C37.59-2002, *Requirements for Conversion of Power Switchgear Equipment (*new standard) – January 22, 2003.
- ANSI/IEEE C37.104-2002*, Guide for Automatic Reclosing of Line Circuit Breakers for AC Distribution and Transmission Lines* (new standard) – January 21, 2003.
- ANSI/NFPA 1-2003, *Uniform Fire Code* (revision of ANSI/NFPA 1-2000) – February 6, 2003.
- ANSI/NFPA 16-2003, *Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems* (revision of ANSI/NFPA 16-1999) – February 6, 2003.
- ANSI/NFPA 22-2003, *Standard for Water Tanks for Private Fire Protection* (revision of ANSI/NFPA 22-1998) – February 6, 2003.
- ANSI/NFPA 75-2003, *Standard for the Protection of Electronic Computer/Data Processing Equipment* (revision of ANSI/NFPA 75-1999) – February 6, 2003.
- ANSI/NFPA 101-2003, *Code for Safety to Life from Fire in Buildings and Structures* (revision of ANSI/NFPA 101-2000) – February 6, 2003.
- ANSI/NFPA 105-2003, *Recommended Practice for the Installation of Smoke-Control Door Assemblies* (revision of ANSI/NFPA 105-1999) – February 6, 2003.
- ANSI/NFPA 230-2003, *Standard for the Fire Protection of Storage* (revision of ANSI/NFPA 230-1999) – February 6, 2003.
- ANSI/NFPA 801-2003, *Standard for Fire Protection for Facilities Handling Radioactive Materials* (revision of ANSI/NFPA 801-1998) – February 6, 2003.
- ANSI/NFPA 1989-2003, *Standard on Breathing Air Quality for Fire Emergency Services Respiratory Protection* (new standard) – February 6, 2003.
- ANSI/UL 263-2003a, *Standard for Safety for Fire Tests of Building Construction and Materials* (new standard) – January 20, 2003.

The following international standards are currently in coordination (comment due dates follow each entry)**:**

- IEC 61921, Ed.1, *Power capacitors – Low voltage power factor correction banks* – March 21, 2003.
- ISO/ASTM DIS 51400, *Practice for characterization and performance of a high-dose radiation dosimetry calibration laboratory* – March 27, 2003.
- ISO/DIS 6530, *Protective clothing – Protection against liquid chemicals – Determination of resistance of materials to penetration by liquids* – May 7, 2003.
- ISO/DIS 16432, *Resistance welding – Procedure for projection welding of uncoated and coated low carbon steels using embossed projection(s)* – March 20, 2003.
- ISO/DIS 16587, *Mechanical vibration and shock – Performance parameters for condition monitoring of structures* – May 7, 2003.

The following newly published international standards are available:

- IEC 60974-6 Ed. 1.0 b:2003, *Arc welding equipment – Part 6: Limited duty manual metal arc welding power sources*.

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- ISO 643:2003, *Steels – Micrographic determination of the apparent grain size*.
- ISO 834-9:2003, *Fire-resistance tests – Elements of building construction – Part 9: Specific requirements for non-loadbearing ceiling elements*.
- ISO 3581:2003, *Welding consumables – Covered electrodes for manual metal arc welding of stainless and heat-resisting steels – Classification*.
- ISO 4126-2:2003, *Safety devices for protection against excessive pressure – Part 2: Bursting disc safety devices*.
- ISO 6144:2003, *Gas analysis – Preparation of calibration gas mixtures – Static volumetric method*.
- ISO 16048:2003*, Passivation of corrosion-resistant stainless-steel – Fasteners*.
- ISO 16794:2003, *Nuclear energy – Determination of carbon compounds and fluorides in uranium hexafluoride infrared spectrometry*.
- ISO/TR 16806:2003, *Pneumatic fluid power – Cylinders – Load capacity of pneumatic slides and their presentation method*.
- ISO/TS 16071:2003, *Ergonomics of human-system interaction – Guidance on accessibility for human-computer interfaces*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

ASME (American Society of Mechanical Engineers)

Office: 3 Park Avenue, 20th Floor
New York, NY 10016
Contact: Silvana Rodriguez-Bhatti
Fax: 212-591-8501
E-mail: **rodriguezs@asme.org**

- ASME PTC 17-1973 (R1997), *Performance Test Code – Reciprocating Internal-Combustion Engines* (revision of ANSI/ASME PTC 17-1973 (R1997)).
- ASME PTC 18-2002, *Hydraulic Turbines and Pump – Turbines* (revision of ANSI/ASME PTC 18-2002).

NEMA (National Electrical Manufacturers Association)

Office: 1300 North 17th Street, Suite 1847
Rosslyn, VA 22209
Contact: Michael Leibowitz
Fax: 703-841-3300
Email: **mik_leibowitz@nema.org**

- NEMA FB-1-200x, *Fittings, Cast Metal Boxes and Conduit Bodies for Conduit, Electrical Metallic Tubing and Cable* (revision of ANSI/NEMA FB-1-1997).

ANS (American Nuclear Society)

Office: 555 North Kensington Avenue
La Grange Park, IL 60526-5592
Contact: Suriya Ahmad
Fax: 708-352-6464
Email: **sahmad@ans.org**

- ANS 10.4-200x, *Verification and Validation of Scientific and Engineering Computer Programs for the Nuclear Industry* (revision of ANSI/ANS 10.4-1987 (R1998)).

ASTM International

Standards activities of ASTM International (ASTM) are published monthly in ASTM *Standardization News.* Orders for subscriptions or single copies of ASTM *Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691, Fax 610-832-9667. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585, Fax 610-832-9555. Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672, Fax 610-832-9666. Additional information on ASTM activities is available on the ASTM Web site (**http://www.astm.org**). The following listings are extracted from ASTM *Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination (the due date for all items is March 10, 2003):

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- D 1275-96a, *Test Method for Corrosive Sulfur in Electrical Insulating Oils* – revised standard.
- D 1698-97, *Test Method for Sediments and Soluble Sludge in Service-aged Insulating Oils* – revised standard.
- D 4547-98, *Practice for Sampling Waste and Soils for Volatile Organics* – revised standard.
- D 4844-88 (1998), *Guide for Air Monitoring at Waste Management Facilities for Worker Protection* – revised standard.

The following newly published standards are available from ASTM:

- C 450-02, *Practice for Fabrication of Thermal Insulating Fitting Covers for NPS Piping and Vessel Lagging* – revised standard.
- C 1285-02, *Test Methods for Determining Chemical Durability of Nuclear, Hazardous, and Mixed Waste Glasses and Multiphase Glass Ceramics: The Product Consistency Test Pct* (includes change to title) – revised standard.
- E 72-02, *Test Methods of Conducting Strength Tests of Panels for Building Construction* – revised standard.
- E 1605-02, *Terminology Relating to Lead in Buildings, Volume 04.12* – revised standard.
- E 2230-02, *Practice for Thermal Qualification of Type B Packages for Radioactive Material* – new standard.
- E 2231-02, *Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics* – new standard.

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, **Richard.Serbu@eh.doe.gov**.

Addresses: *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (http://tis.eh. doe.gov/techstds/). To update your mailing and e-mail addresses, please contact Debbie Queener, ORNL, 865-574-0398, Fax 865-574-8481, **queenerds@ornl.gov**.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-574-0398, **queenerds@ornl.gov**.